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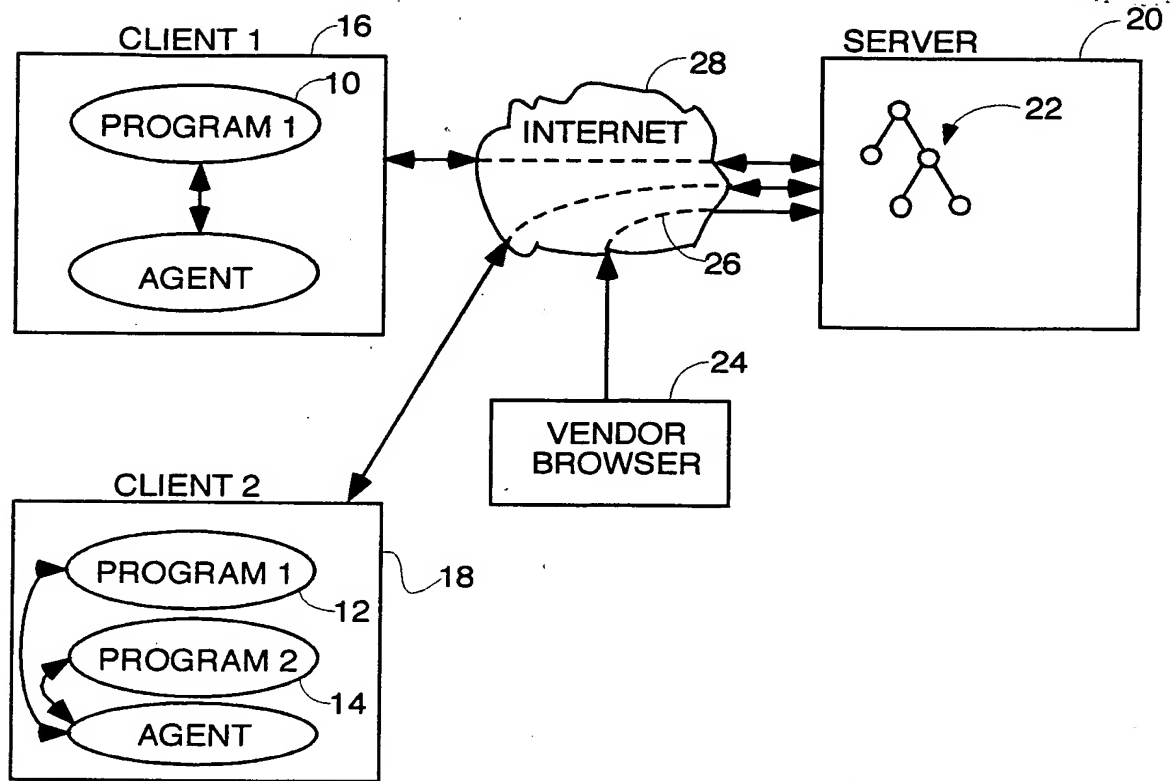


FIG. 1

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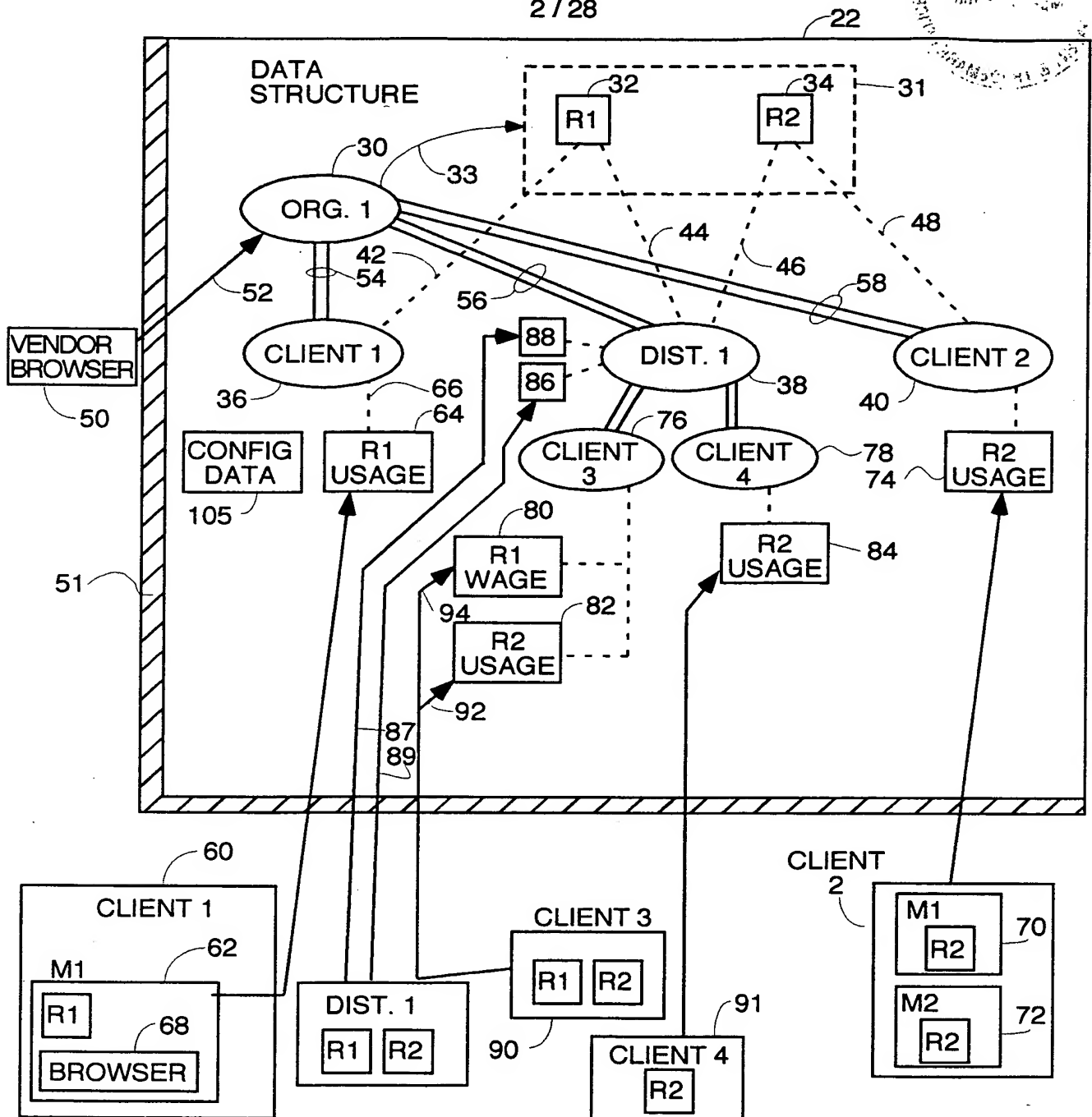


FIG. 2

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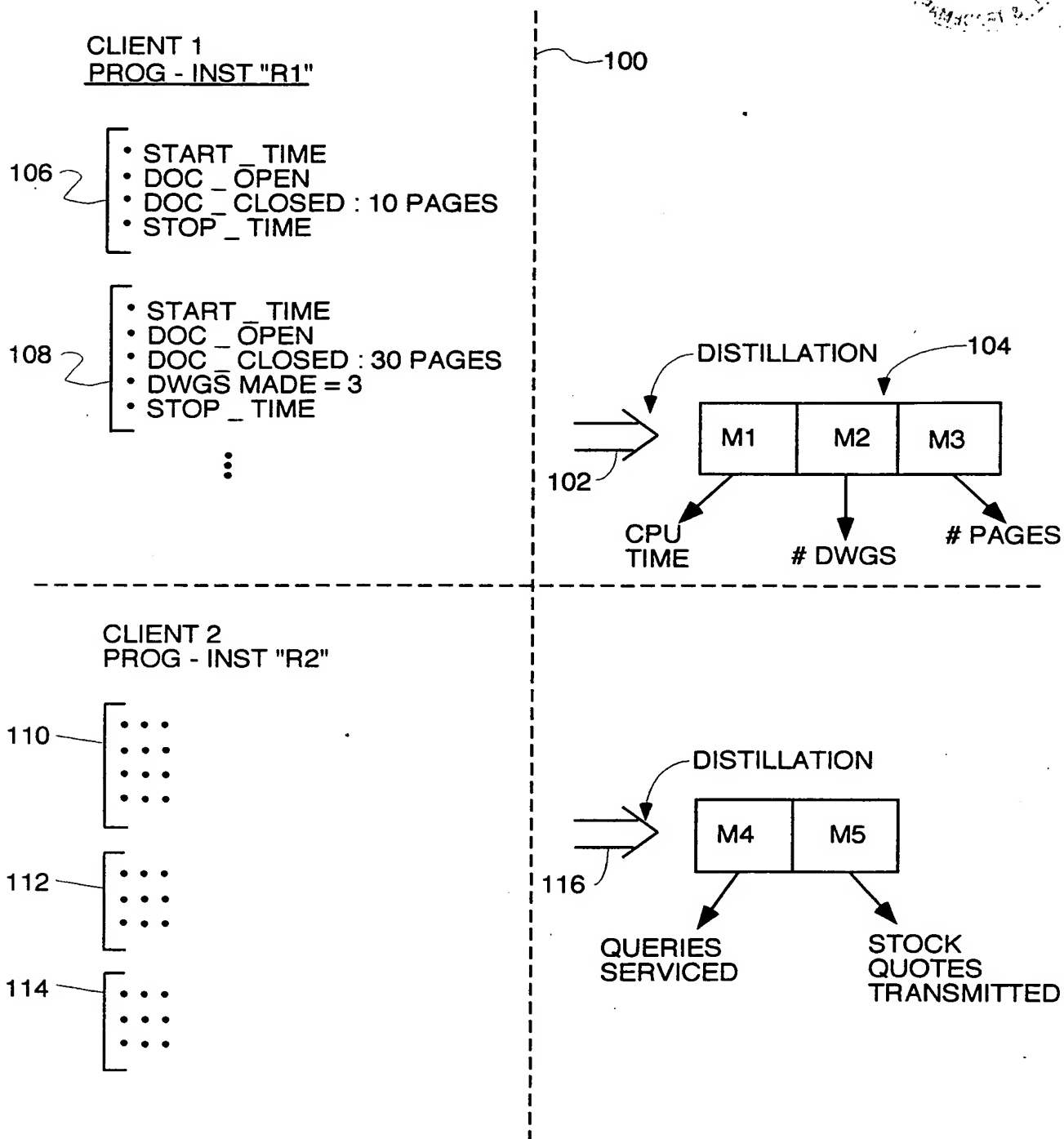


FIG. 3

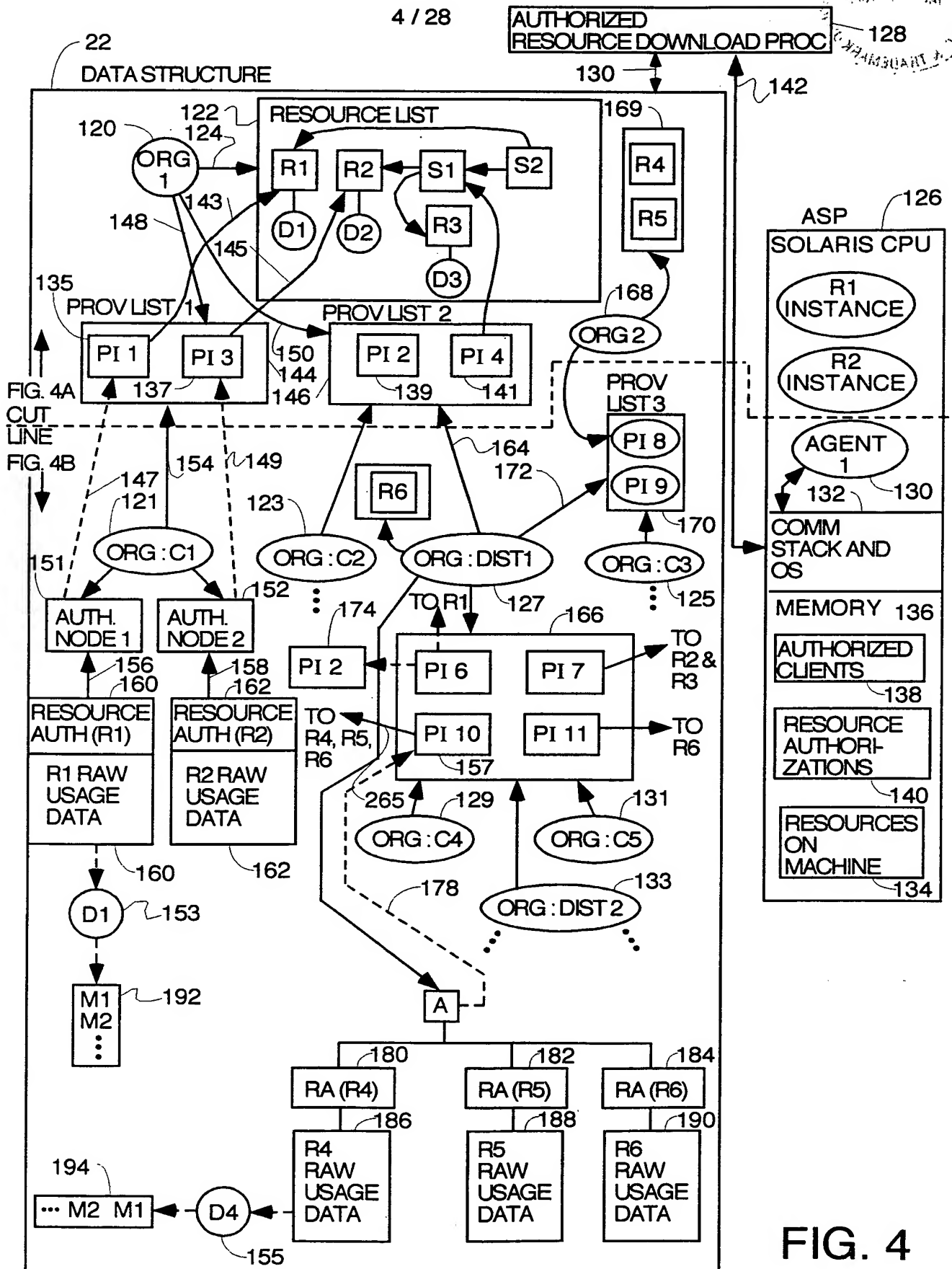


FIG. 4

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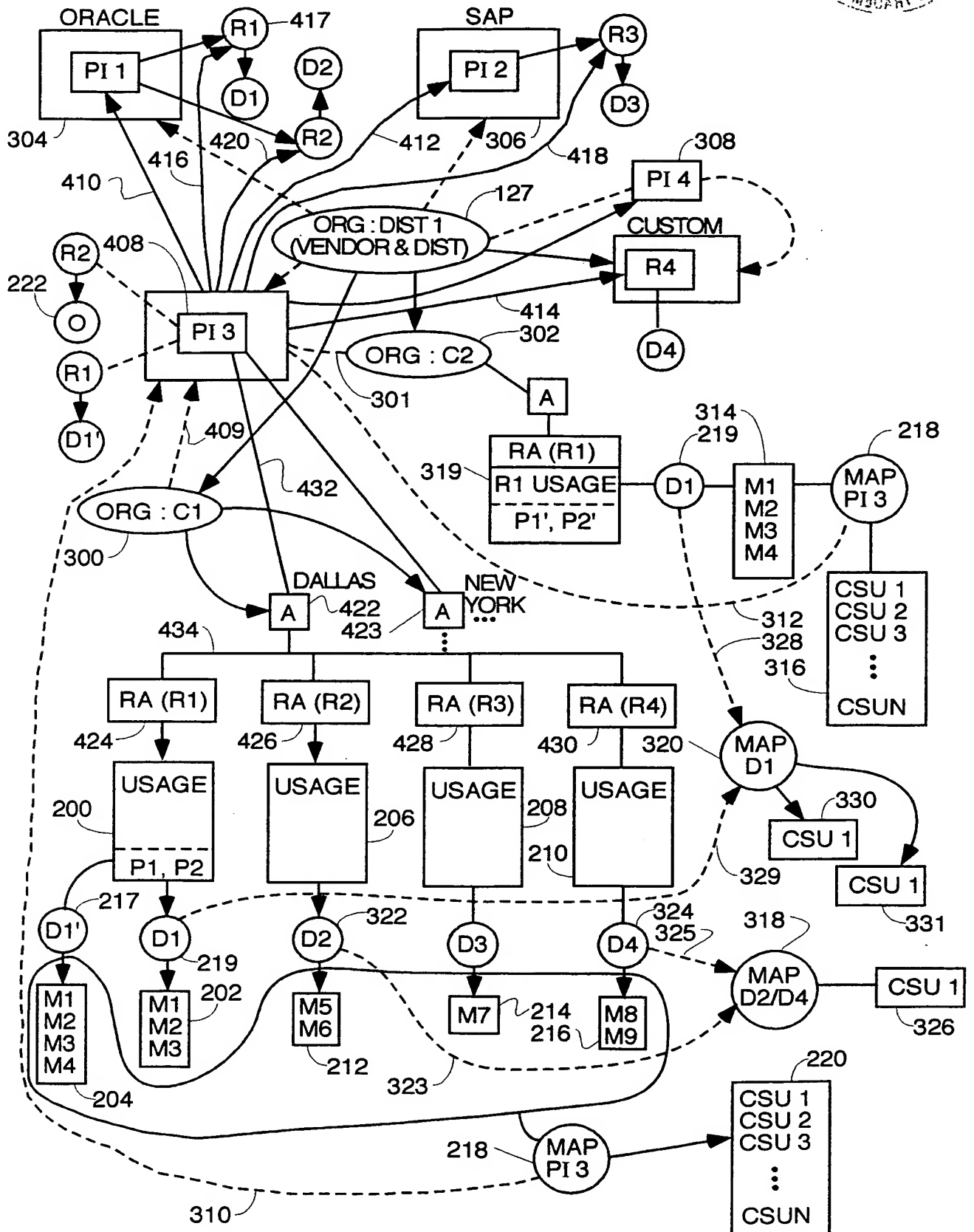


FIG. 5

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OVERALL PROCESS TO DISTILL RAW USAGE DATA TO METRIC DATA  
BY A PROGRAMMABLE MAPPING

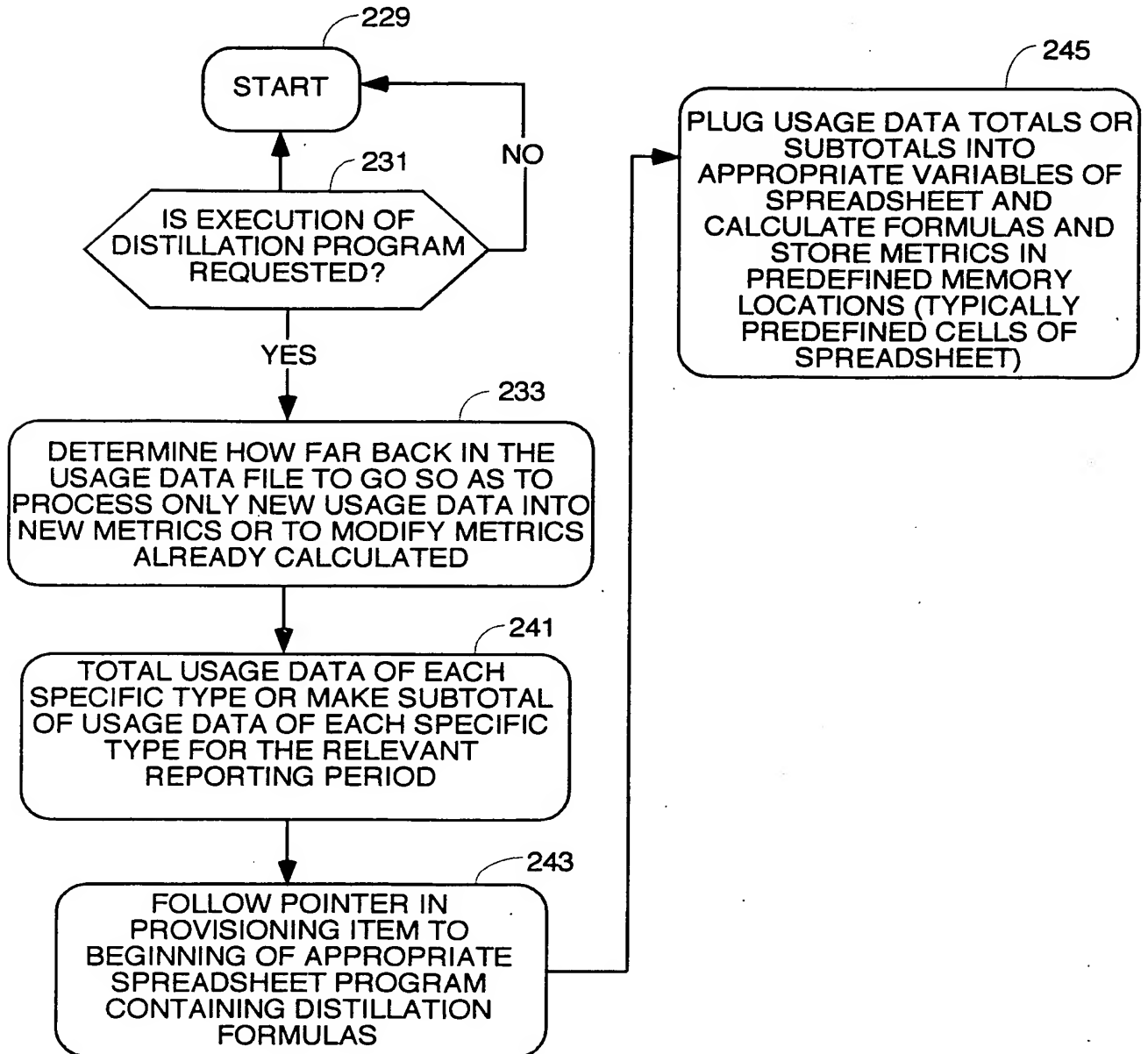


FIG. 6A

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OVERALL PROCESS TO DISTILL RAW USAGE DATA TO METRIC DATA  
BY A PROGRAMMABLE MAPPING USING A PROGRAMMABLE DISTILLATION PGM

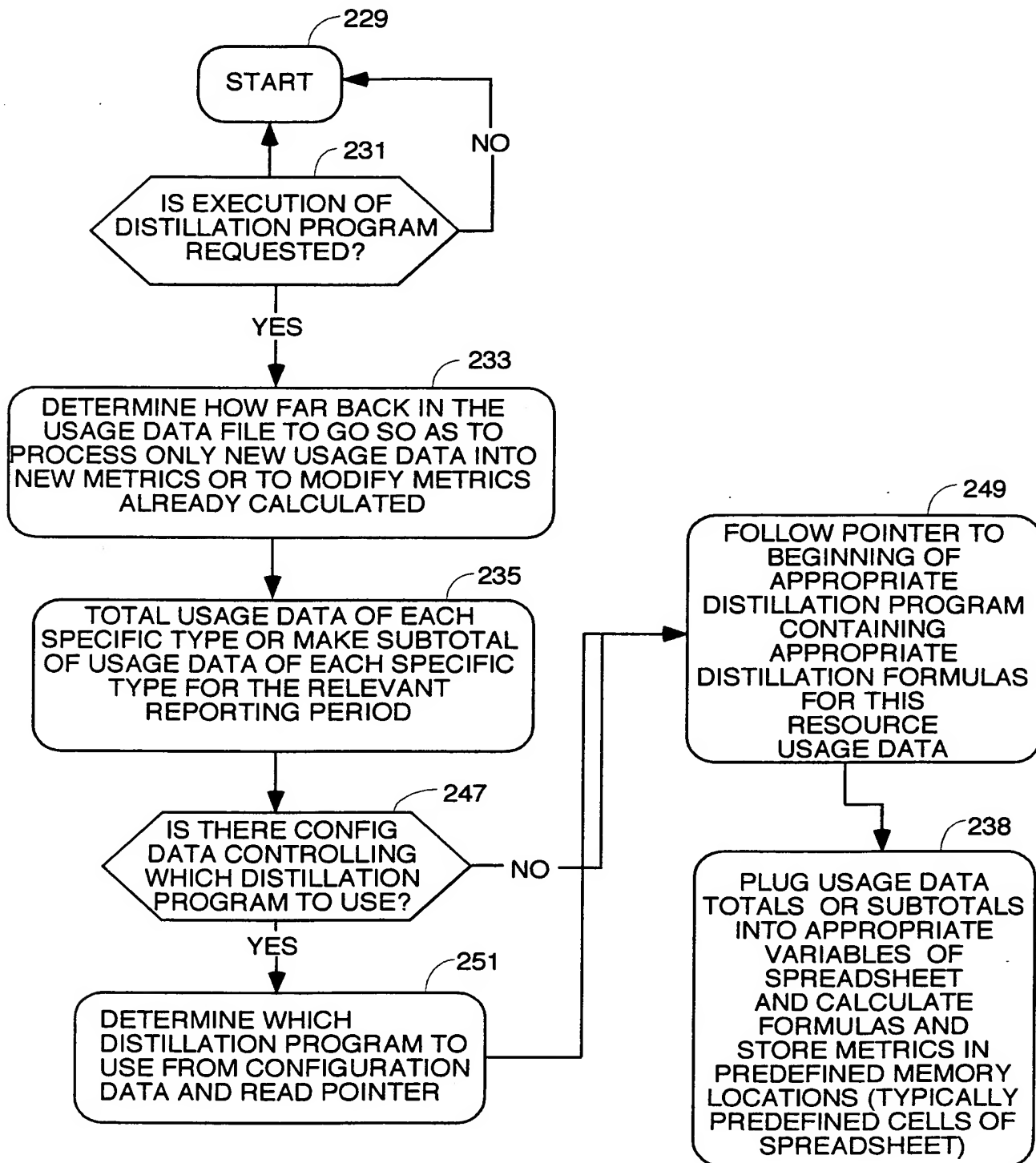


FIG. 6B

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PROCESS TO PROGRAMMABLY DISTILL RAW USAGE DATA TO METRICS AND PROGRAMMABLY DISTILL THE METRICS INTO CENTRAL SERVICE UNITS OF THE CUSTOMER'S DESIGN

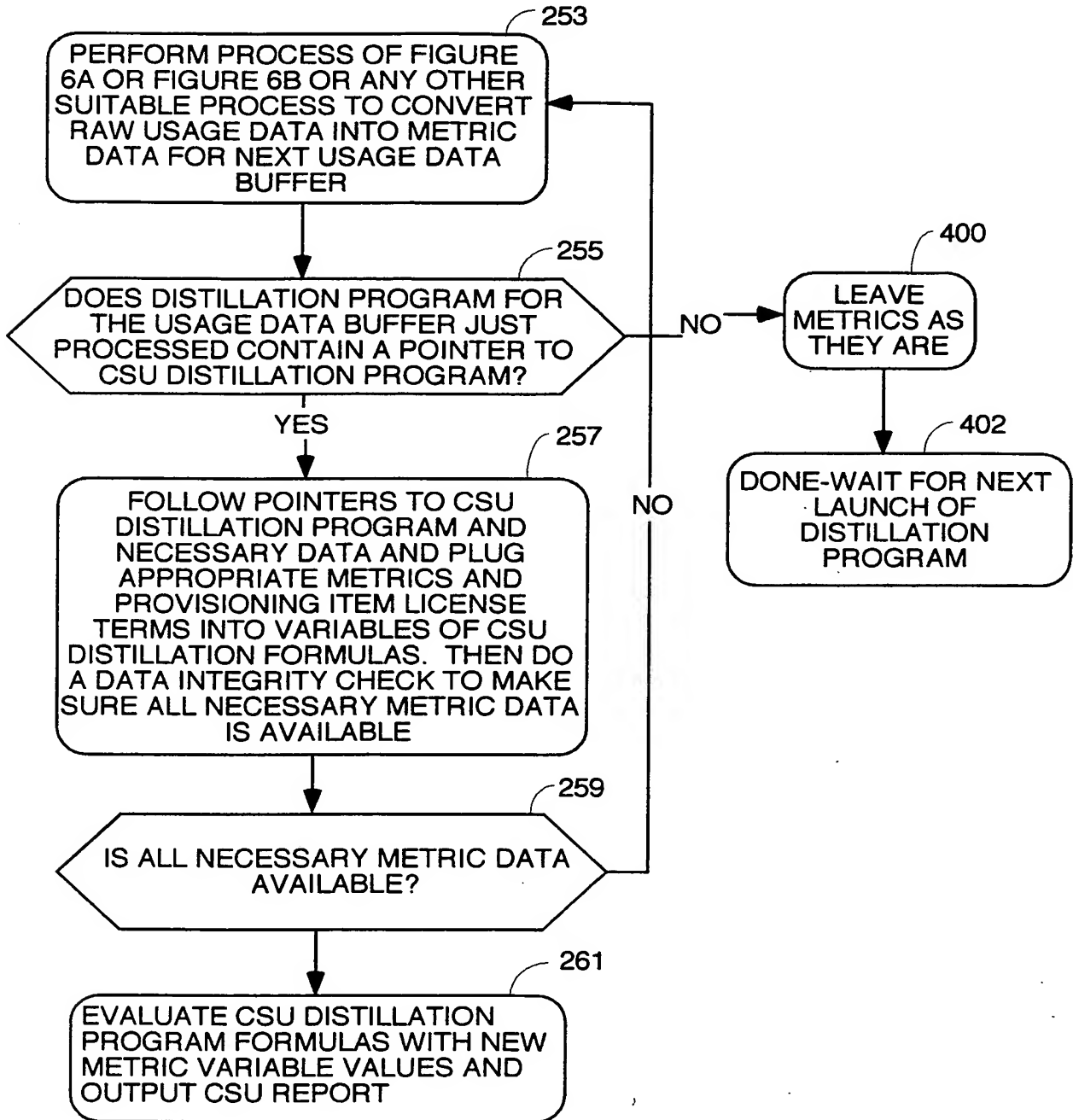


FIG. 7



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OVERALL PROCESS TO COLLECT RAW USAGE DATA IN A CENTRAL SERVER  
AND USE IT TO PREPARE METRICS AND PREPARE INVOICES OR REPORTS  
THEREFROM

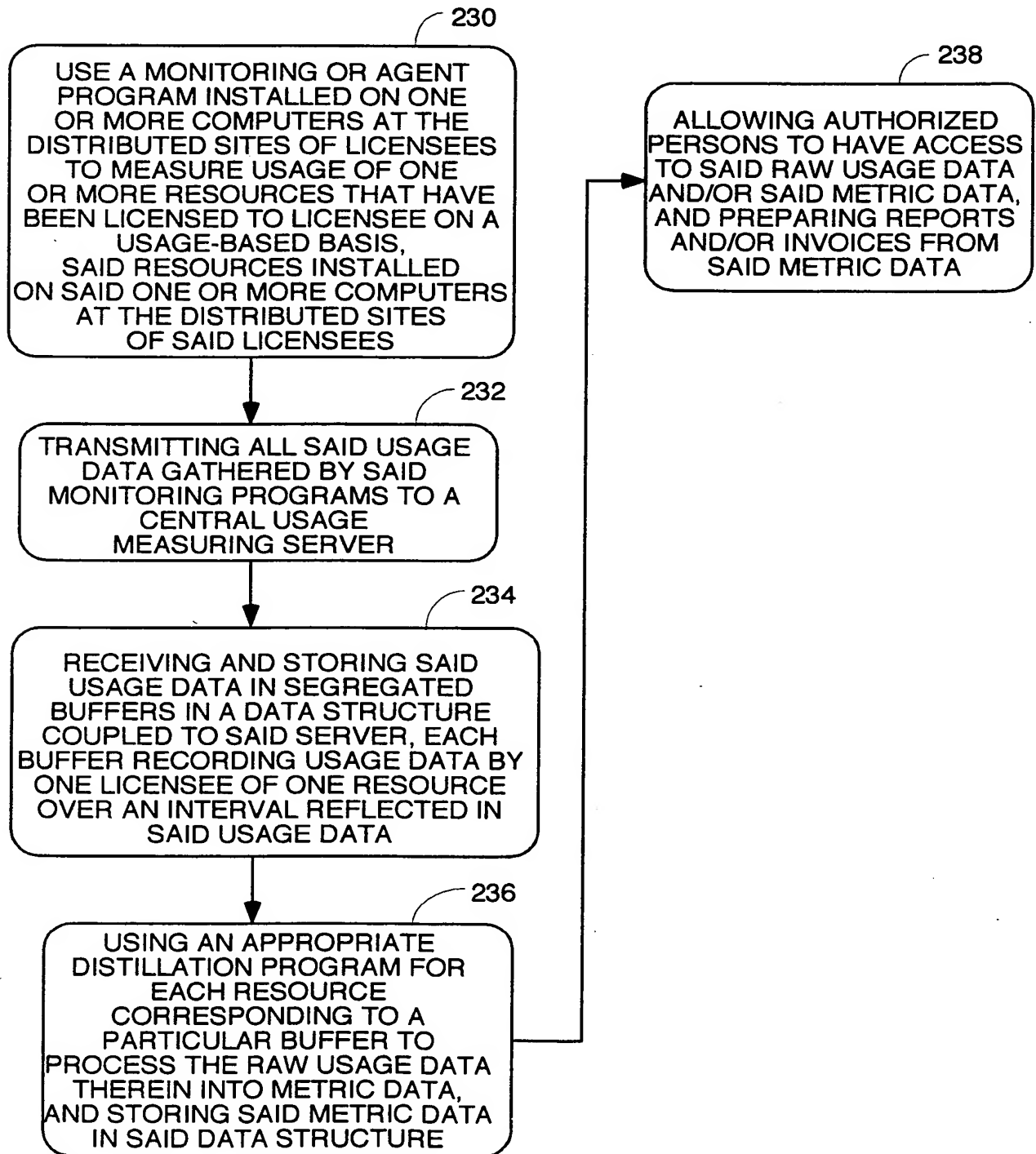
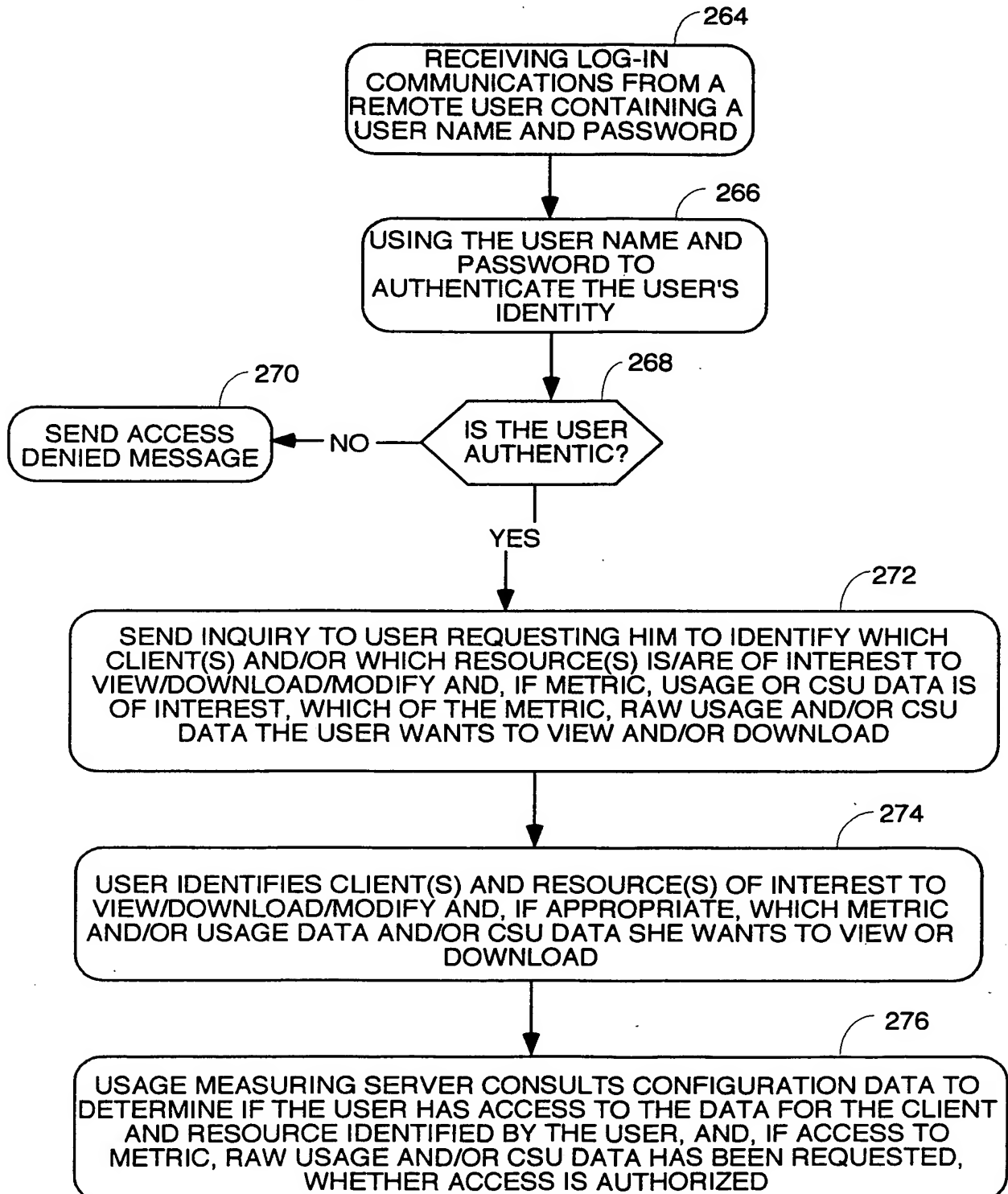


FIG. 8

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PROCESS TO BUILD USAGE MEASURING SERVER DATA STRUCTURE AND ALLOW RESTRICTED ACCESS THERETO



TO FIG. 9B

FIG. 9A

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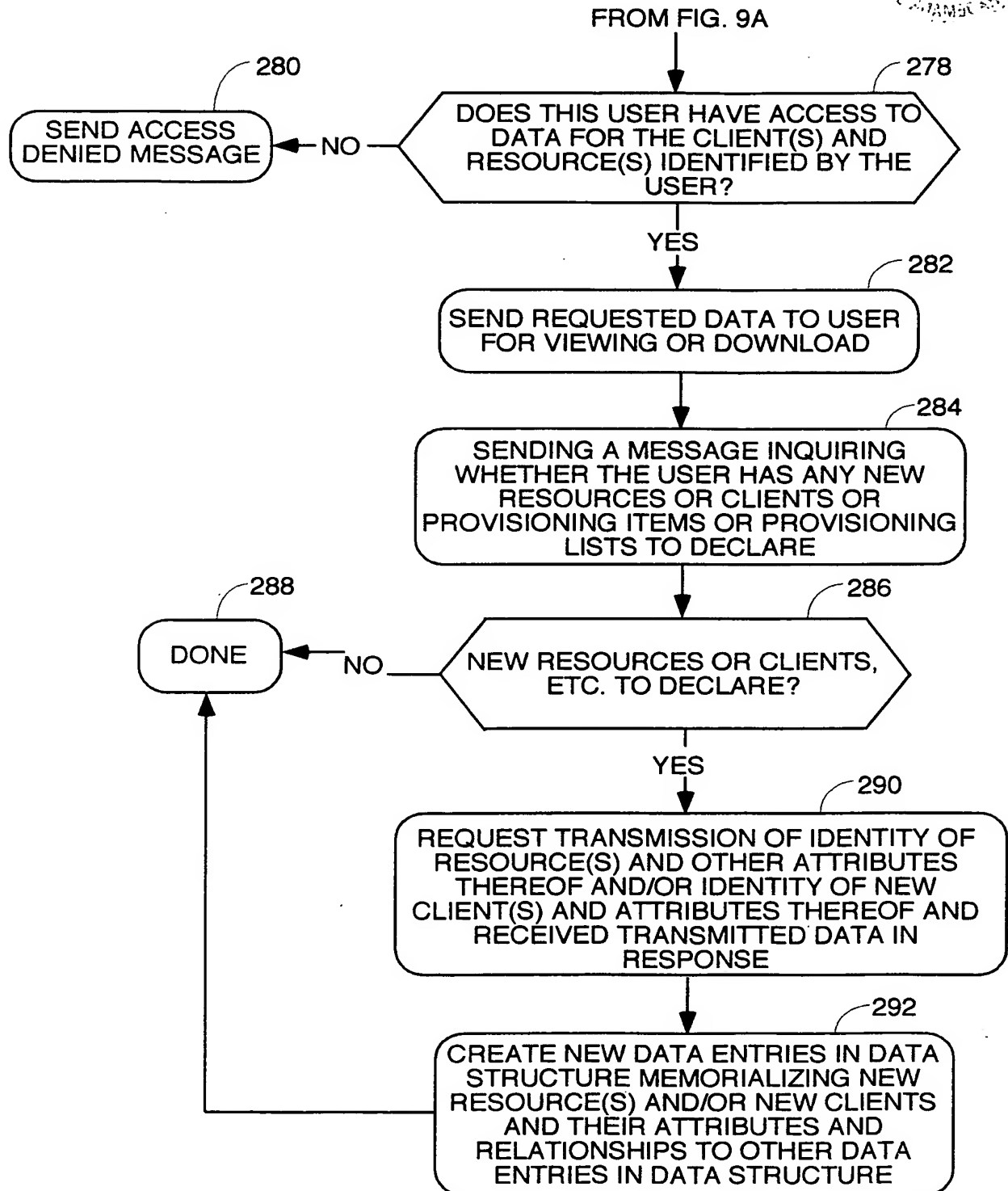


FIG. 9B

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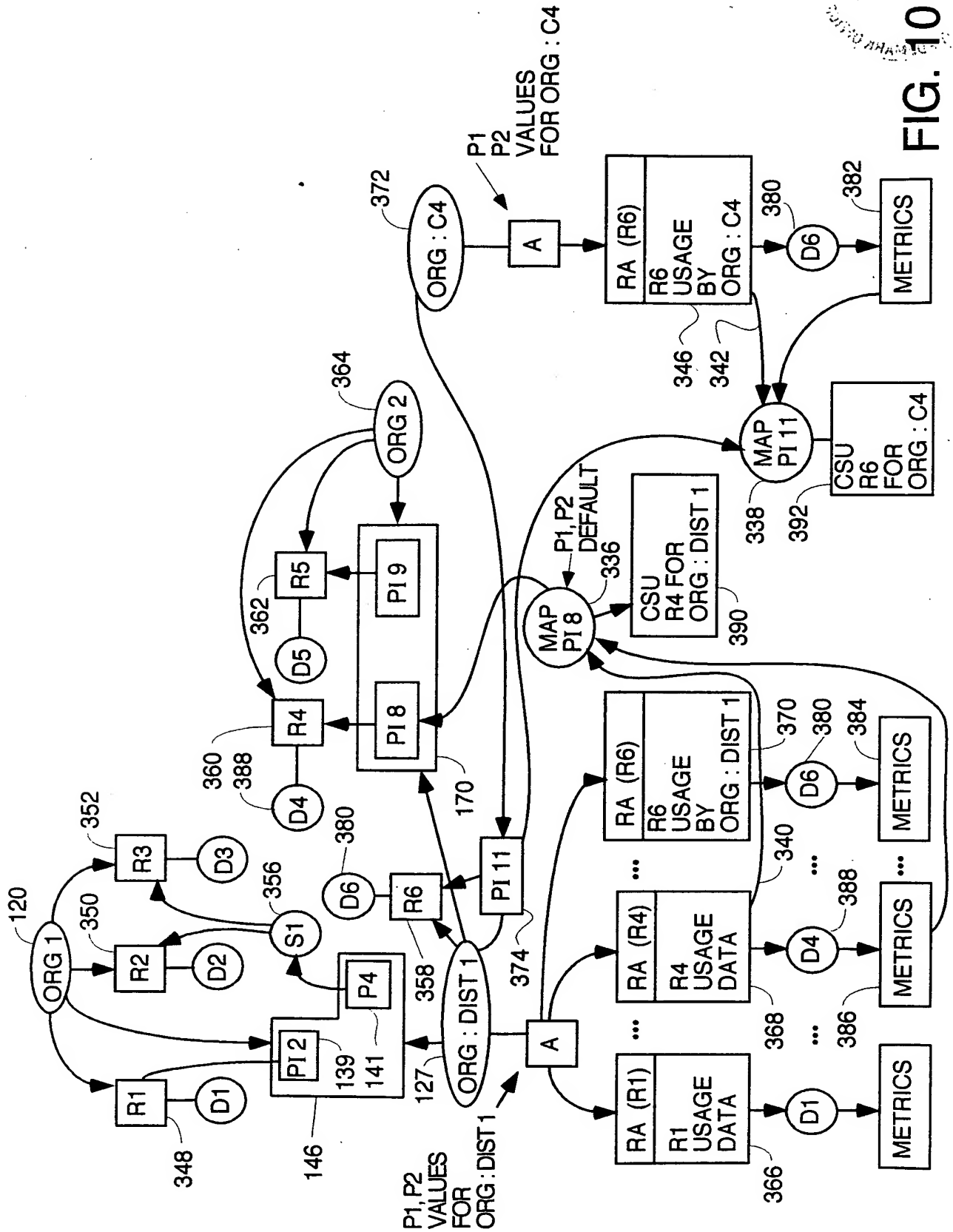


FIG. 10

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ALTERNATIVE PROCESS TO PROGRAMMABLY DISTILL RAW USAGE DATA TO METRICS AND PROGRAMMABLY DISTILL THE METRICS INTO CENTRAL SERVICE UNITS USING A CSU DISTILLATION PROGRAM LINKED TO PROVISIONING ITEM DETAILING LICENSE TERMS

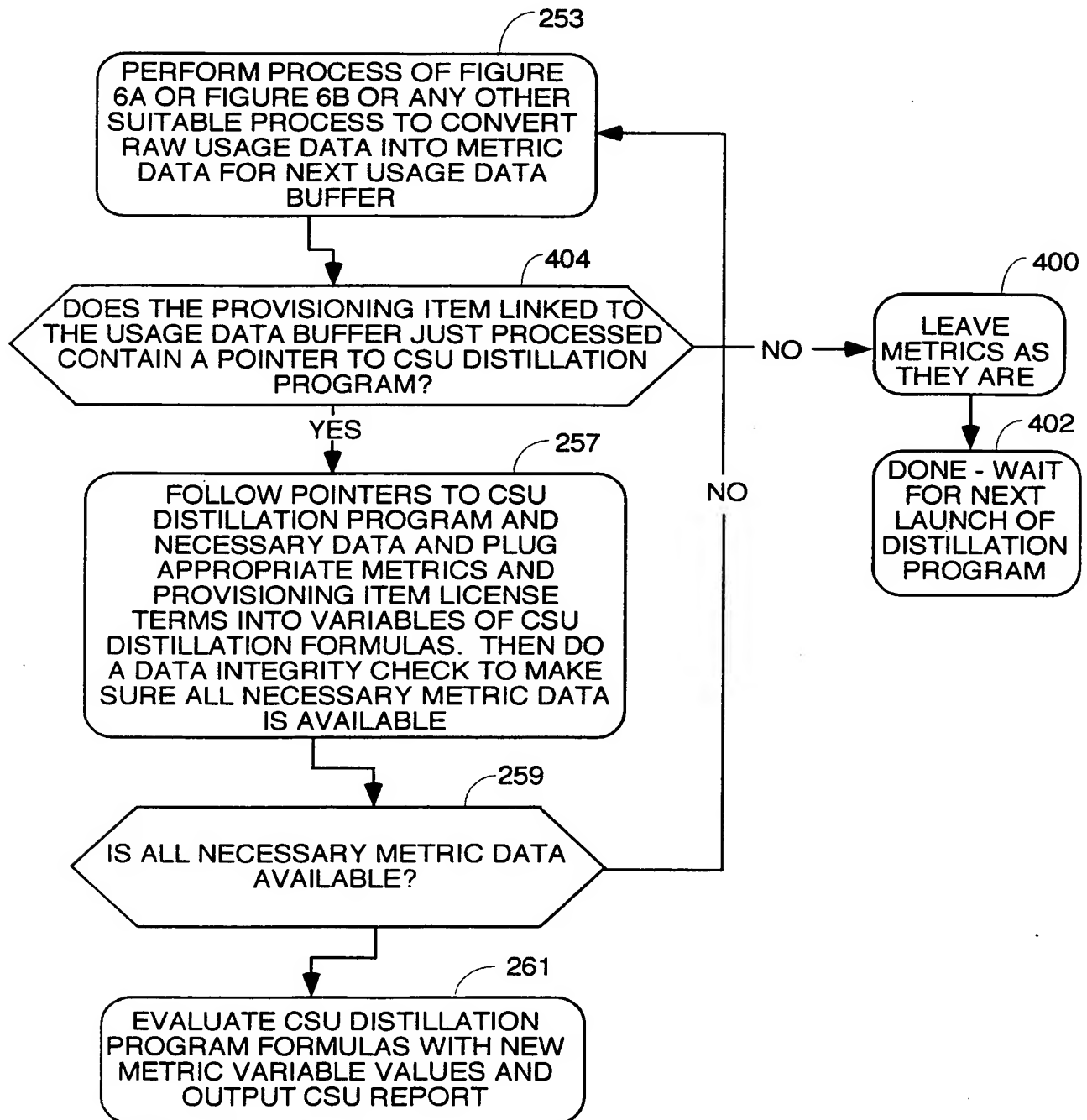


FIG. 11

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ALTERNATIVE PROCESS TO PROGRAMMABLY DISTILL RAW USAGE DATA TO METRICS AND PROGRAMMABLY DISTILL THE METRICS INTO CENTRAL SERVICE UNITS USING A CSU DISTILLATION PROGRAM LINKED TO THE USAGE DATA BUFFER OF EACH CLIENT THAT WANTS CSU BASED REPORTS

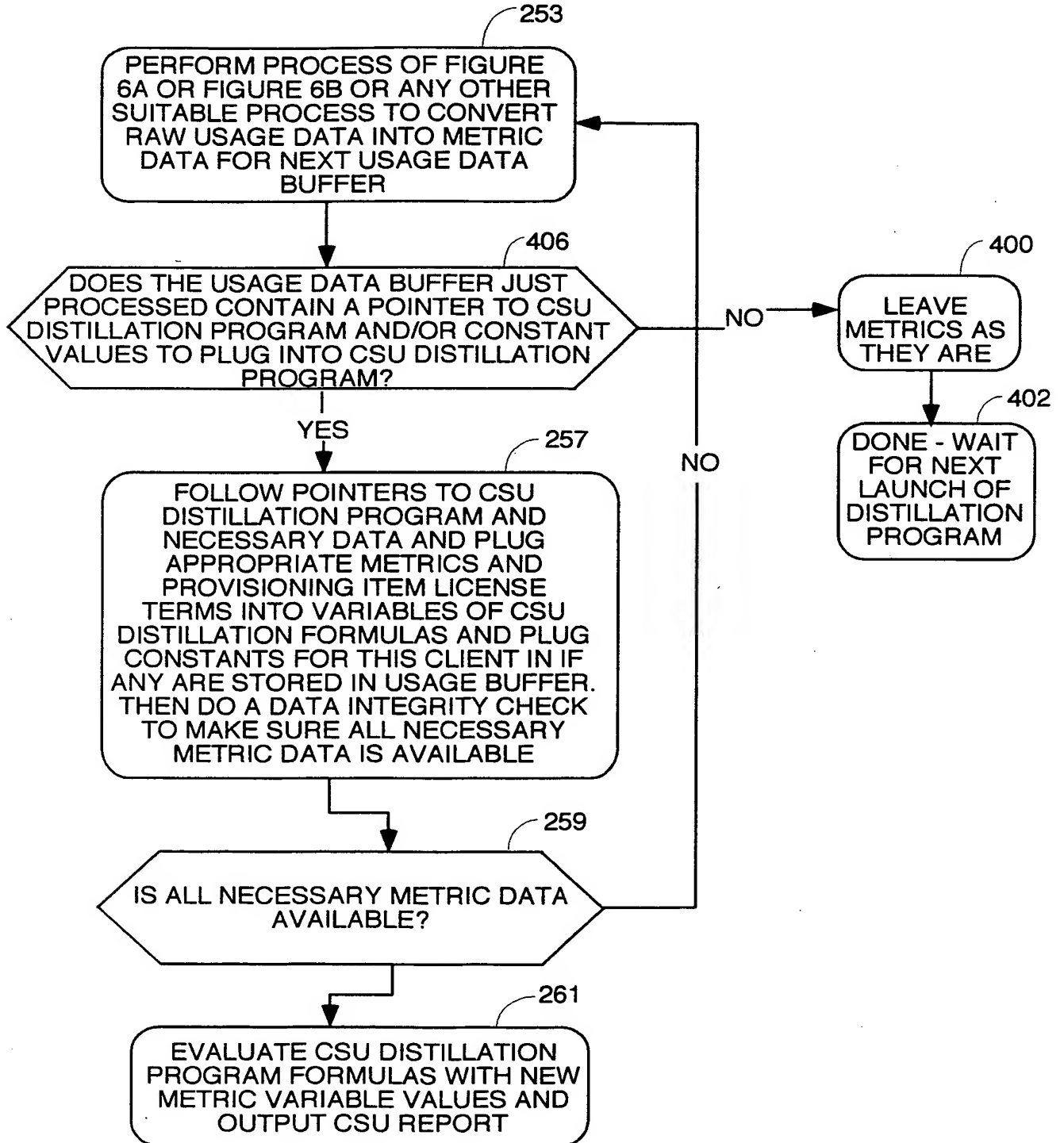


FIG. 12

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PROCESS TO CREATE DATA STRUCTURE TO SUPPORT SUITE LICENSING AND  
TO USE THE DATA STRUCTURE TO IMPLEMENT SUITE LICENSING

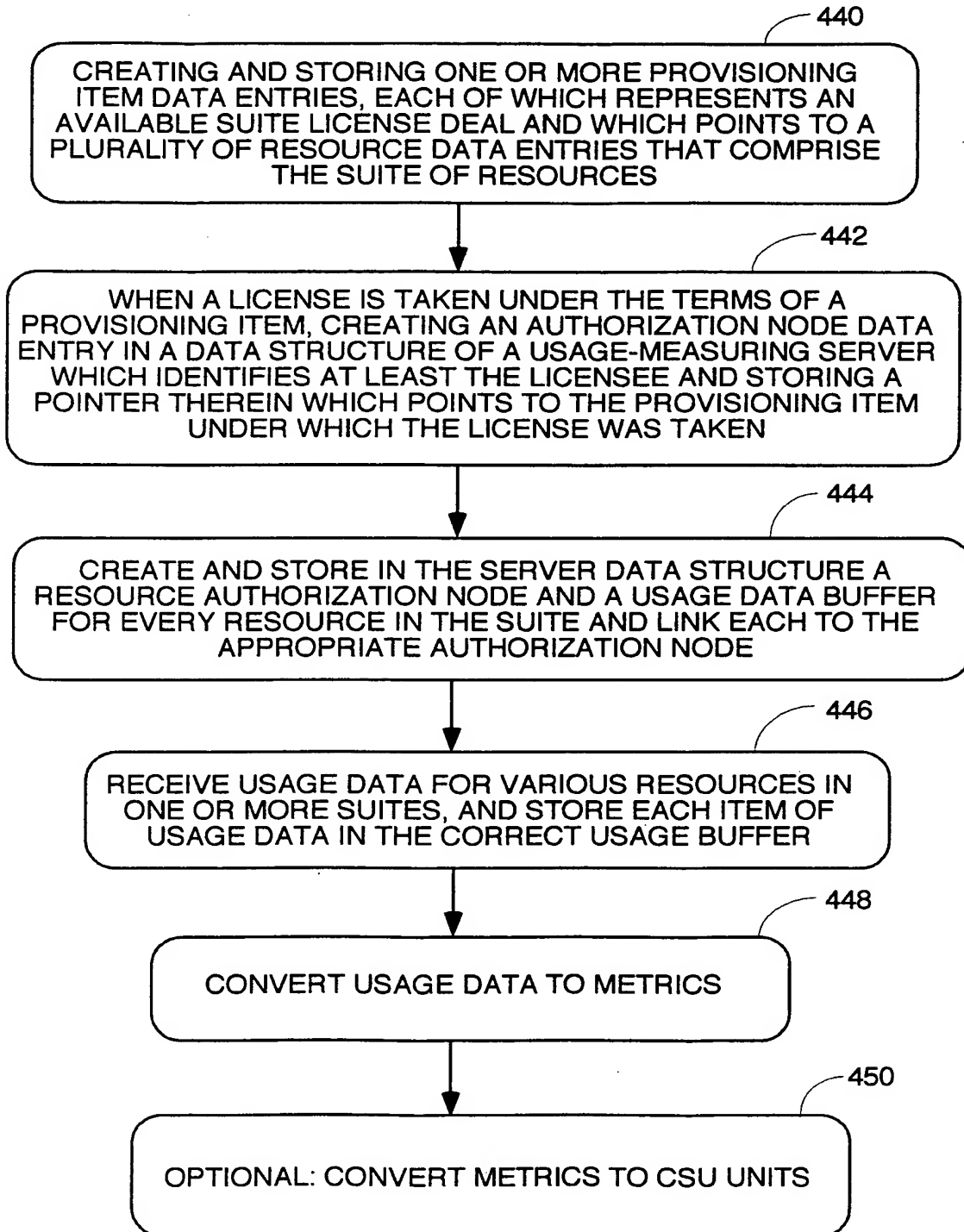


FIG. 13

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ONE STOP SHOPPING PROCESS TO DETERMINE ALL AVAILABLE LICENSE DEALS ON A PARTICULAR RESOURCE

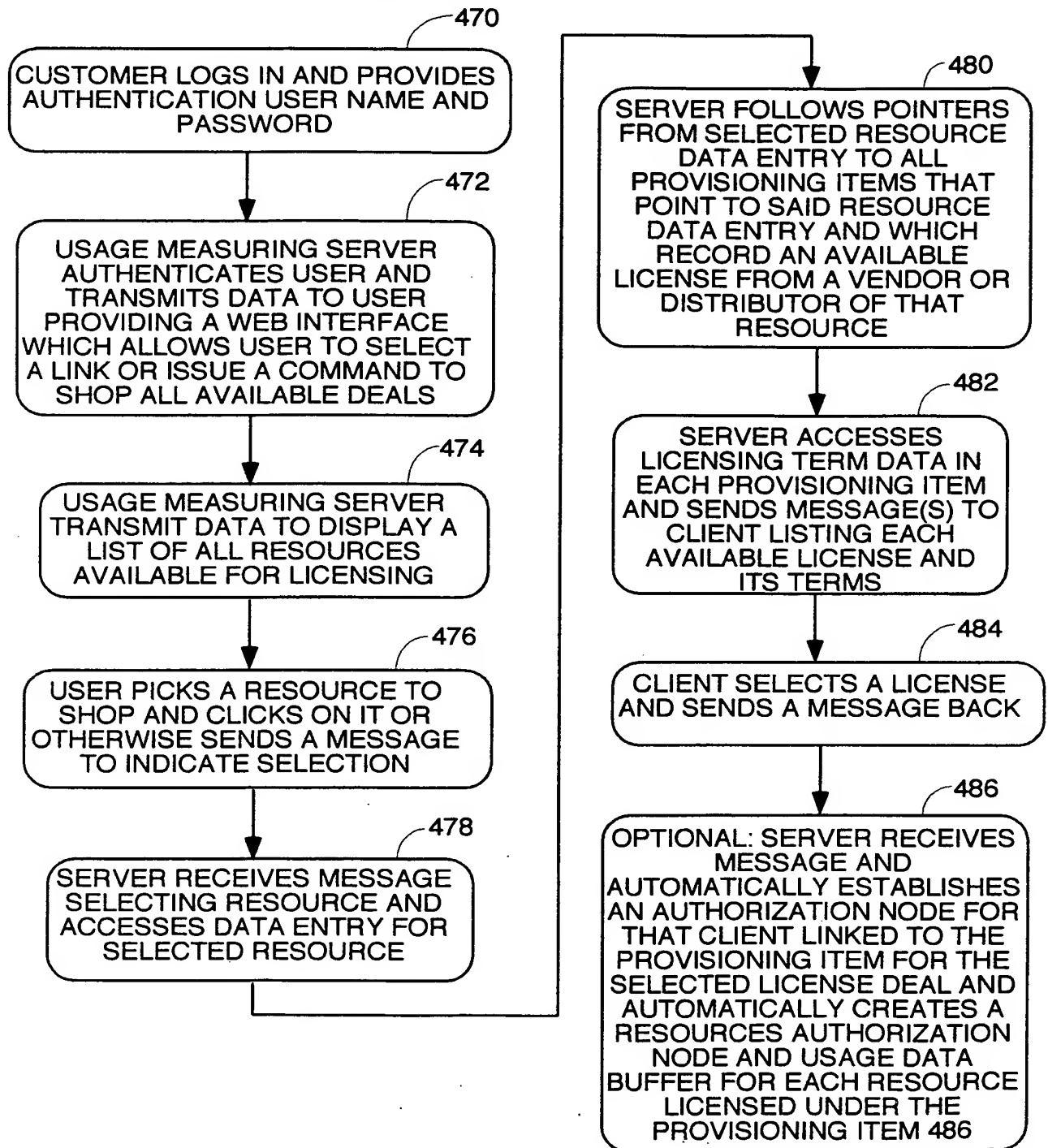


FIG. 14



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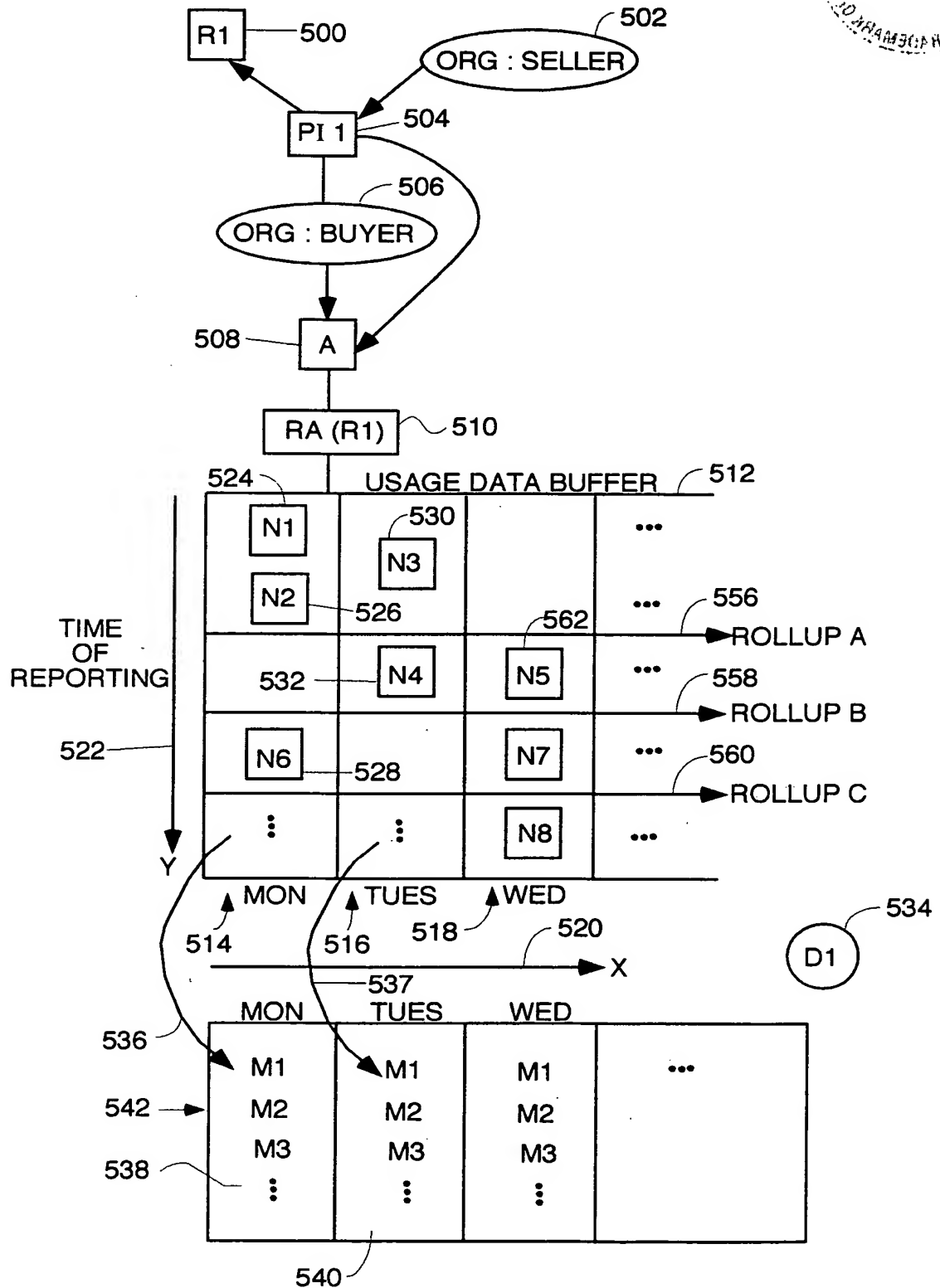


FIG. 15

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PROCESS TO COLLECT USAGE DATA, PARTITION IT INTO TIME SEGMENTS  
AND GENERATE METRICS THEREFROM

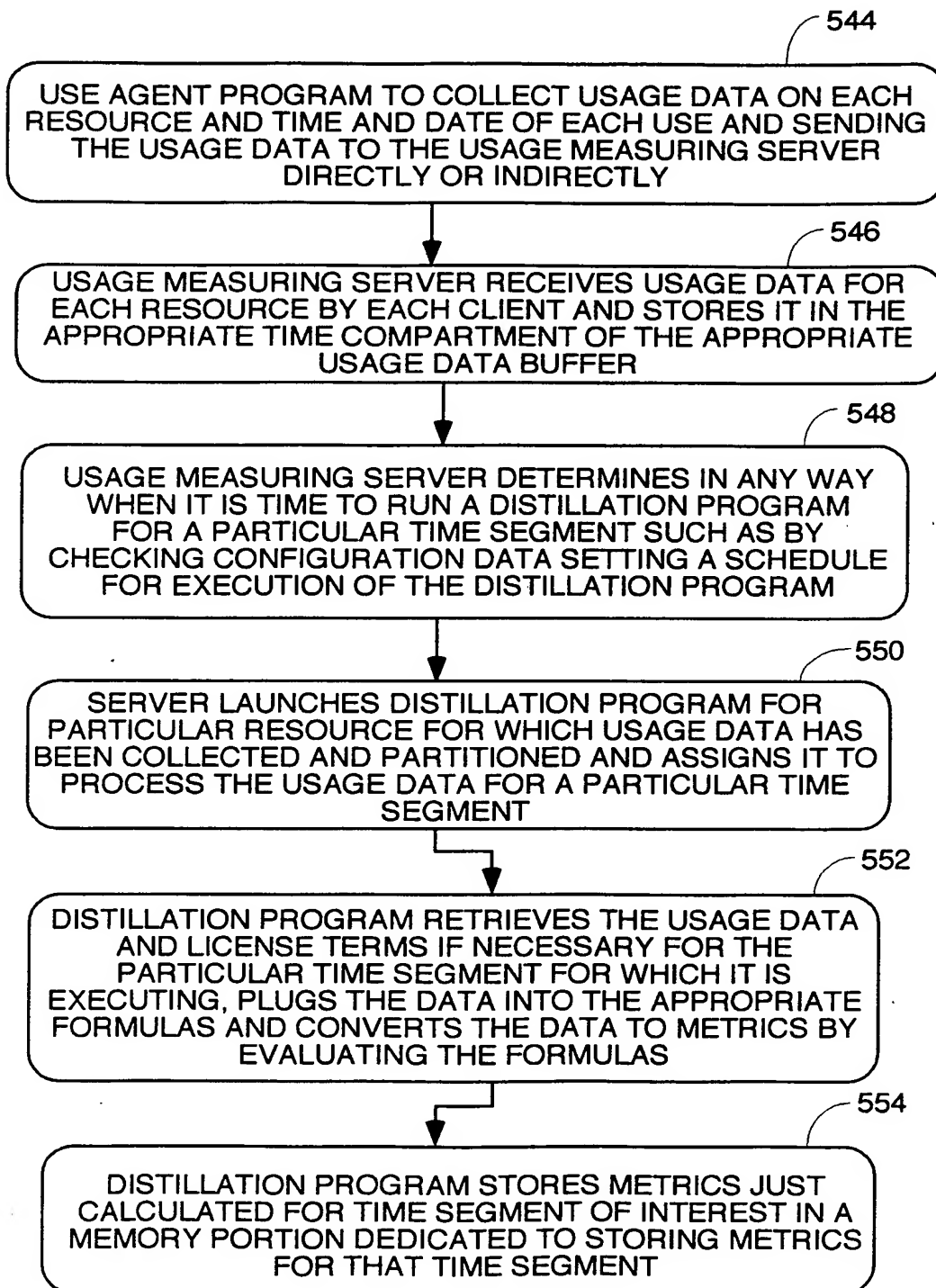


FIG. 16

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ROLLUP A ID 39

|             | MON | TUES | WED | ... |
|-------------|-----|------|-----|-----|
| M1=<br>CPU  | 10  | 1    | 0   | ... |
| M2=<br>DOCS | 500 | 50   | 0   | ... |
| M3=<br>#PGS | 759 | 71   | 0   | ... |
|             | :   | :    | :   |     |

FIG. 17

ALTERNATIVE  
ROLLUP B ID 40

| MON | TUES | WED |
|-----|------|-----|
| 0   | 3    | 2   |
| 0   | 70   | 40  |
| 0   | 139  | 96  |

FIG. 18

PREFERRED ROLLUP B ID 50

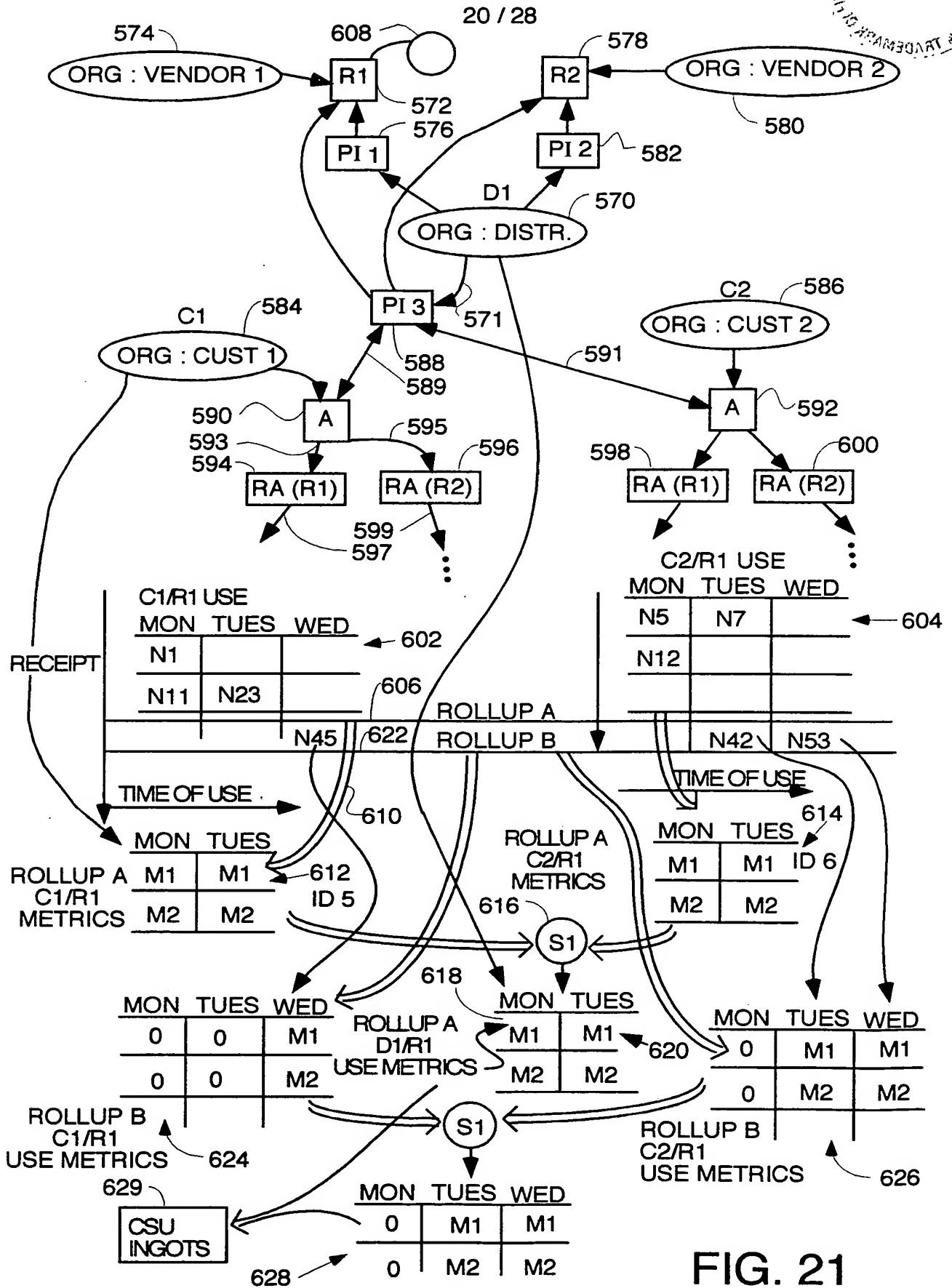
| MON | TUES | WED |  |
|-----|------|-----|--|
| 10  | 4    | 2   |  |
| 500 | 120  | 40  |  |
| 759 | 210  | 96  |  |

FIG. 19

ALTERNATIVE  
ROLLUP B ID 40

| MON | TUES | WED |
|-----|------|-----|
| 0   | 4    | 2   |
| 0   | 120  | 40  |
| 0   | 210  | 96  |

FIG. 20



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PROCESS FOR ONE PROTOCOL ACCESS TO USAGE/METRIC/CSU DATA  
FOR ALL LICENSEES OF A LICENSOR FROM A USAGE MEASURING SERVER

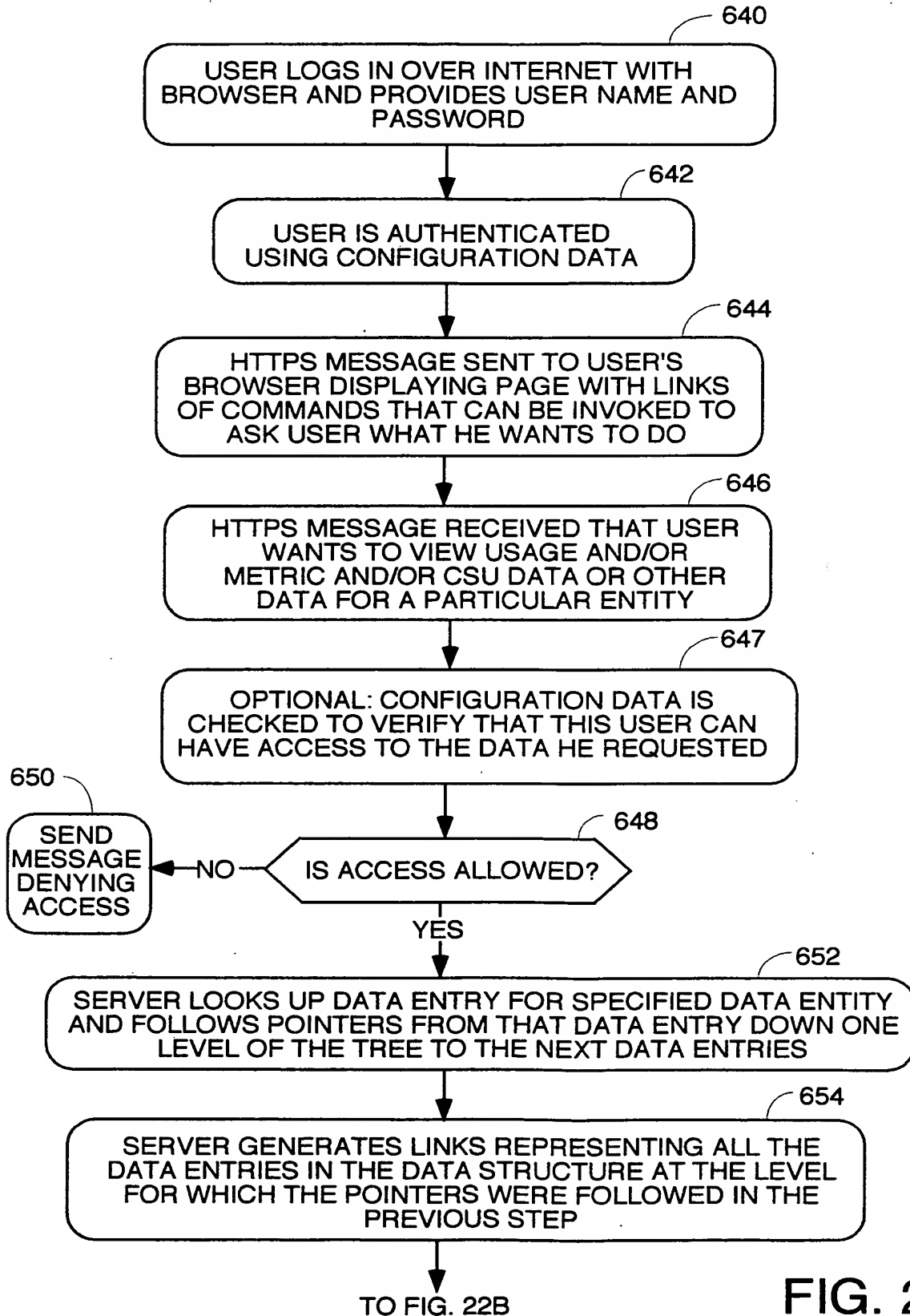


FIG. 22A

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FROM FIG. 22A

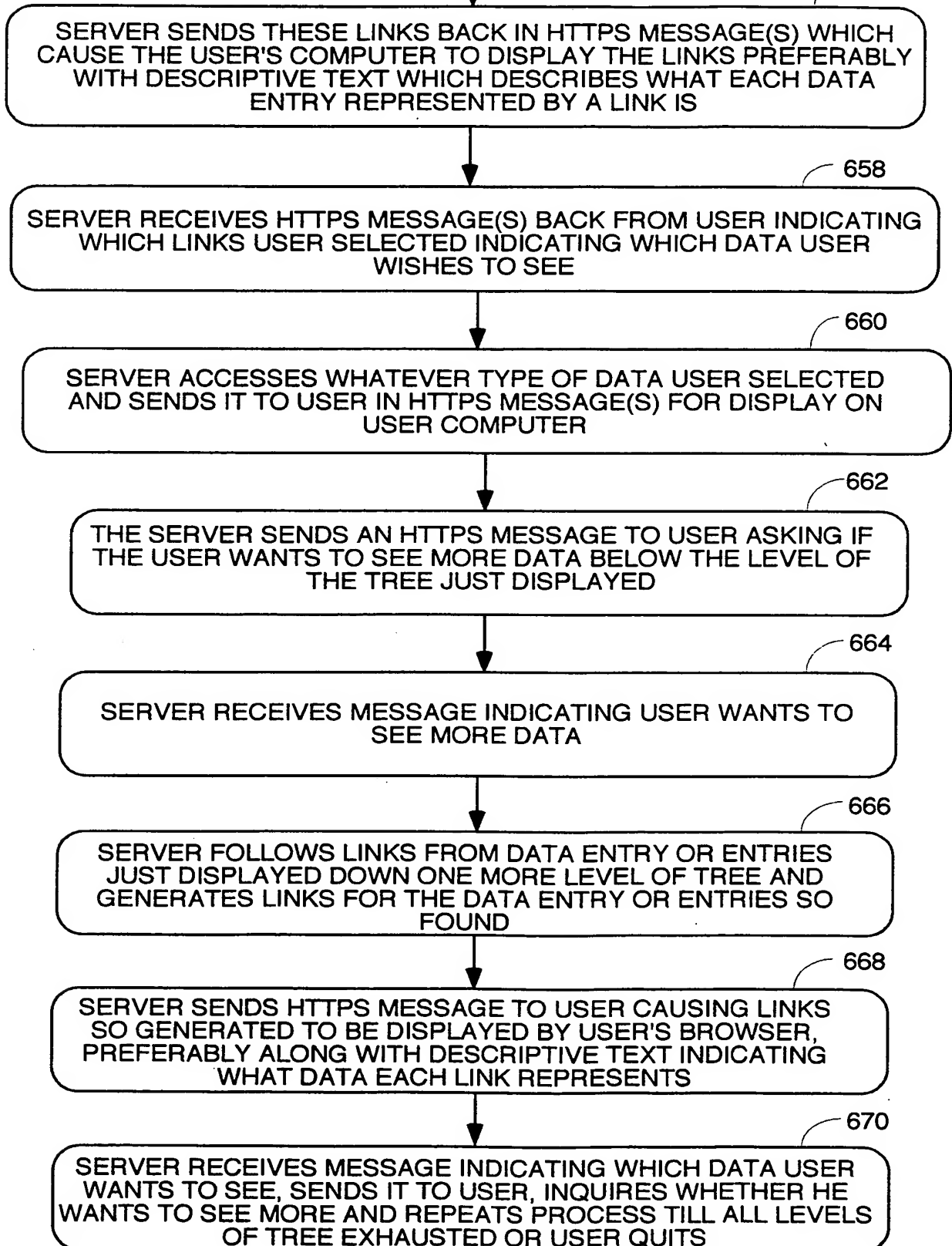
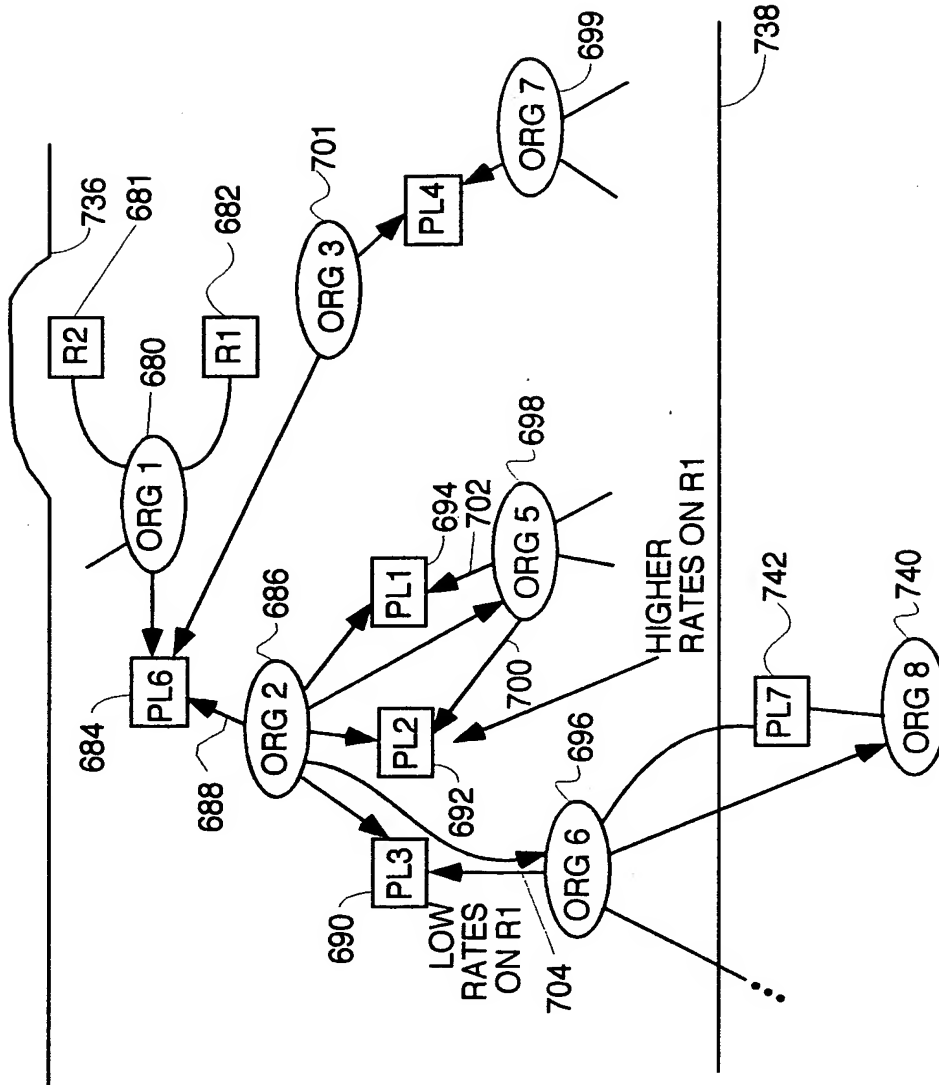


FIG. 22B



SECURITY BARRIERS  
**FIG. 23**

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A PROCESS TO IMPLEMENT SECURITY BARRIERS TO PREVENT USERS FROM VIEWING DATA IN A USAGE MEASURING SERVER DATA STRUCTURE THAT THE USER NOT AUTHORIZED TO VIEW

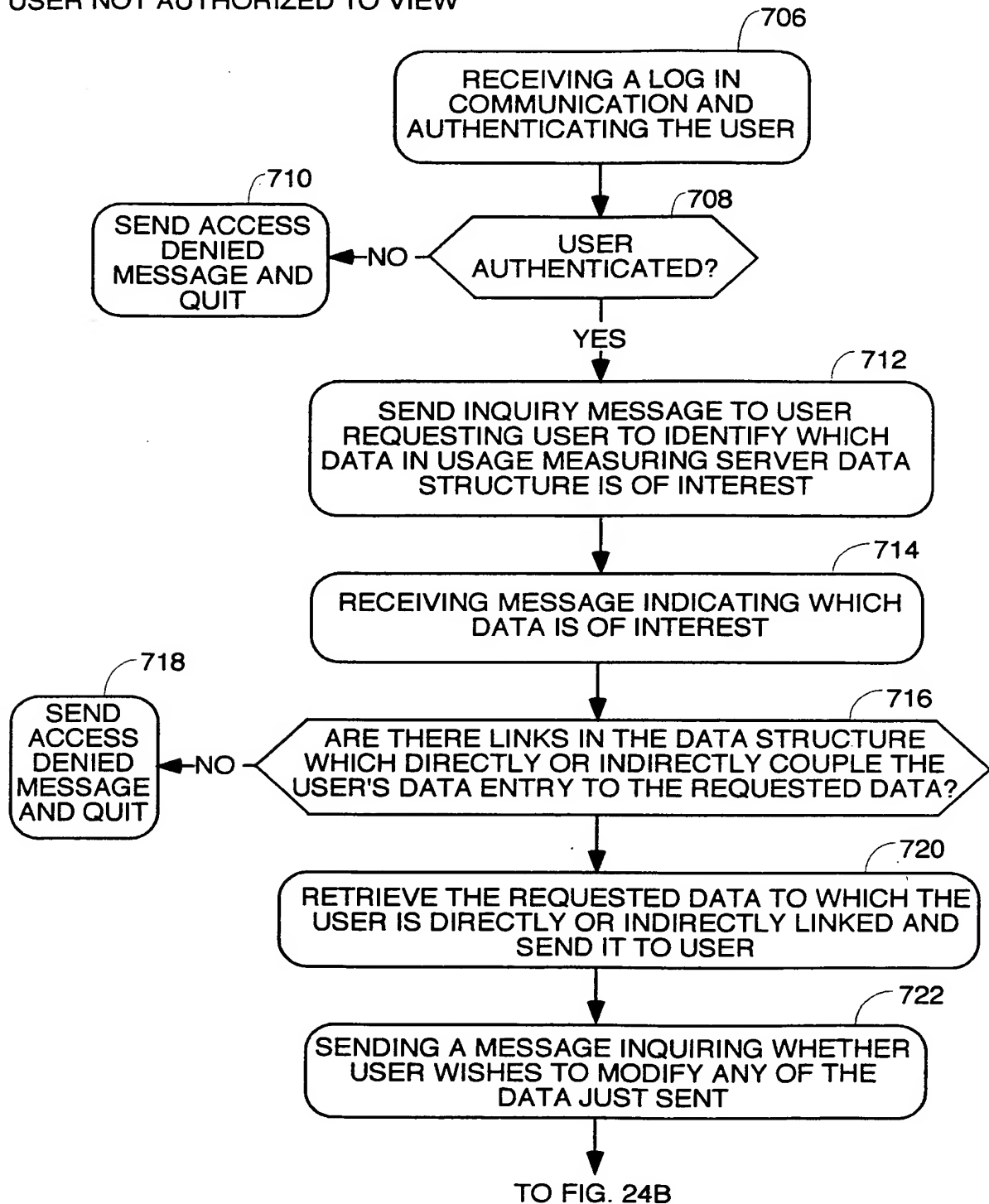


FIG. 24A



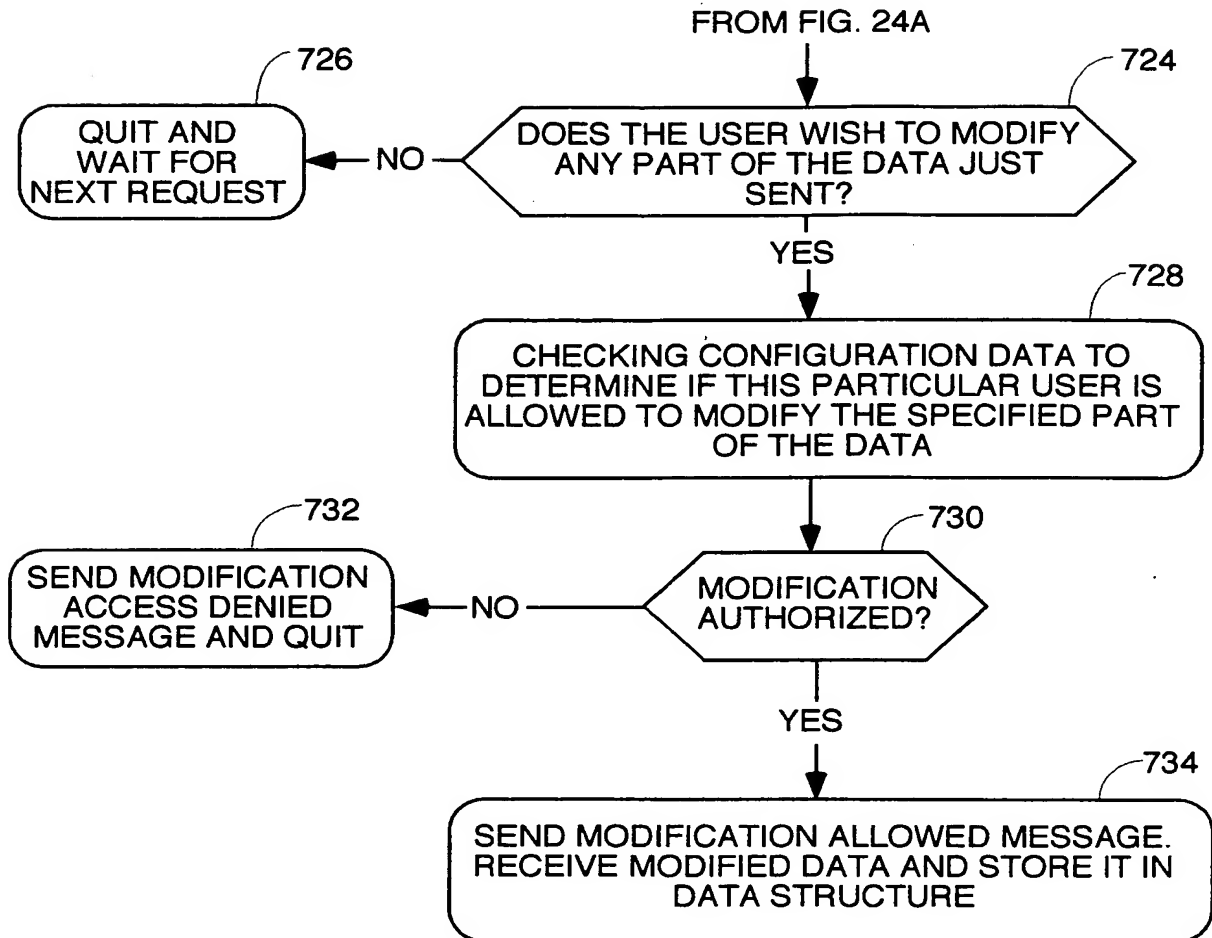
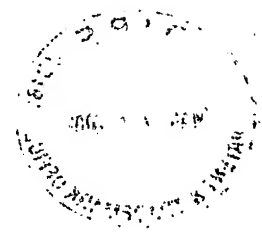


FIG. 24B

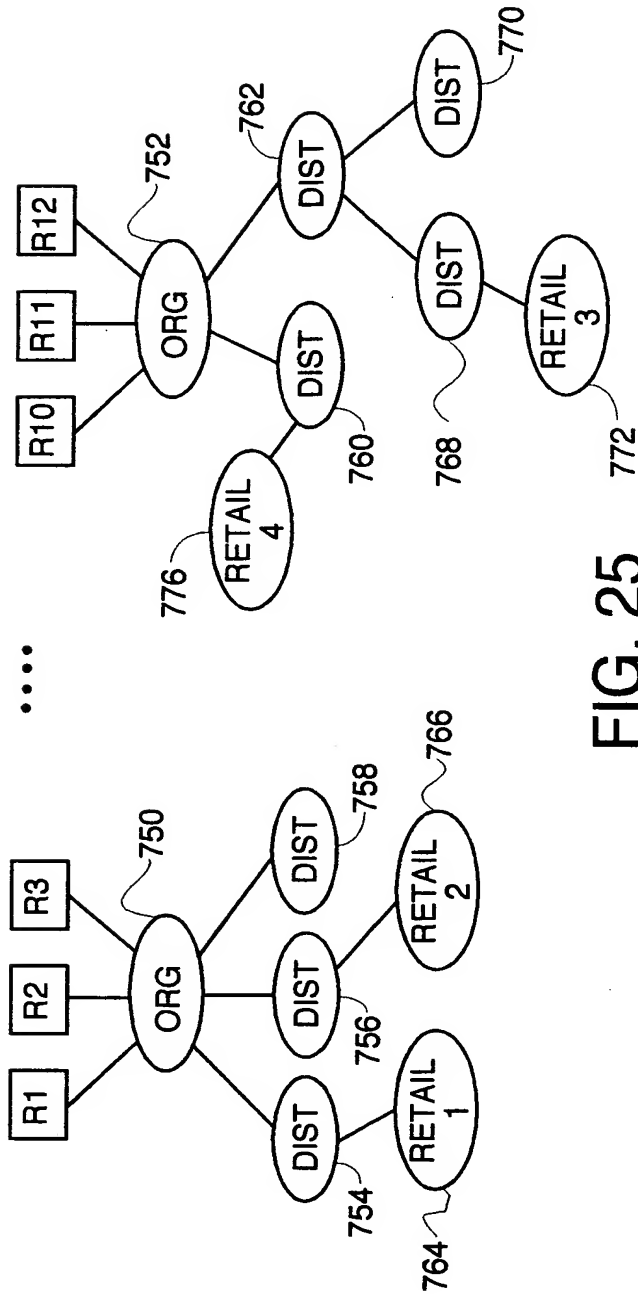


FIG. 25

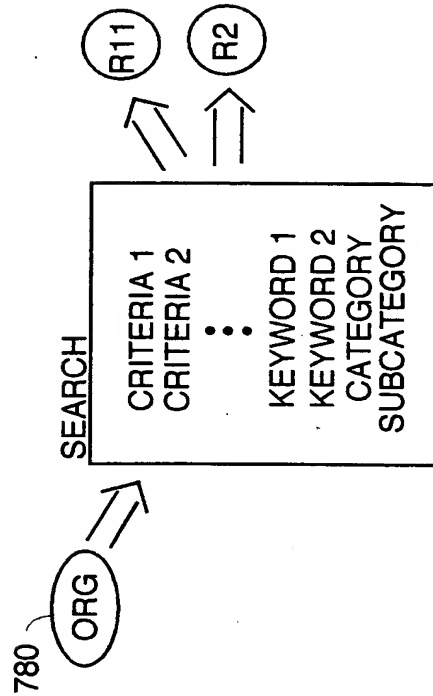
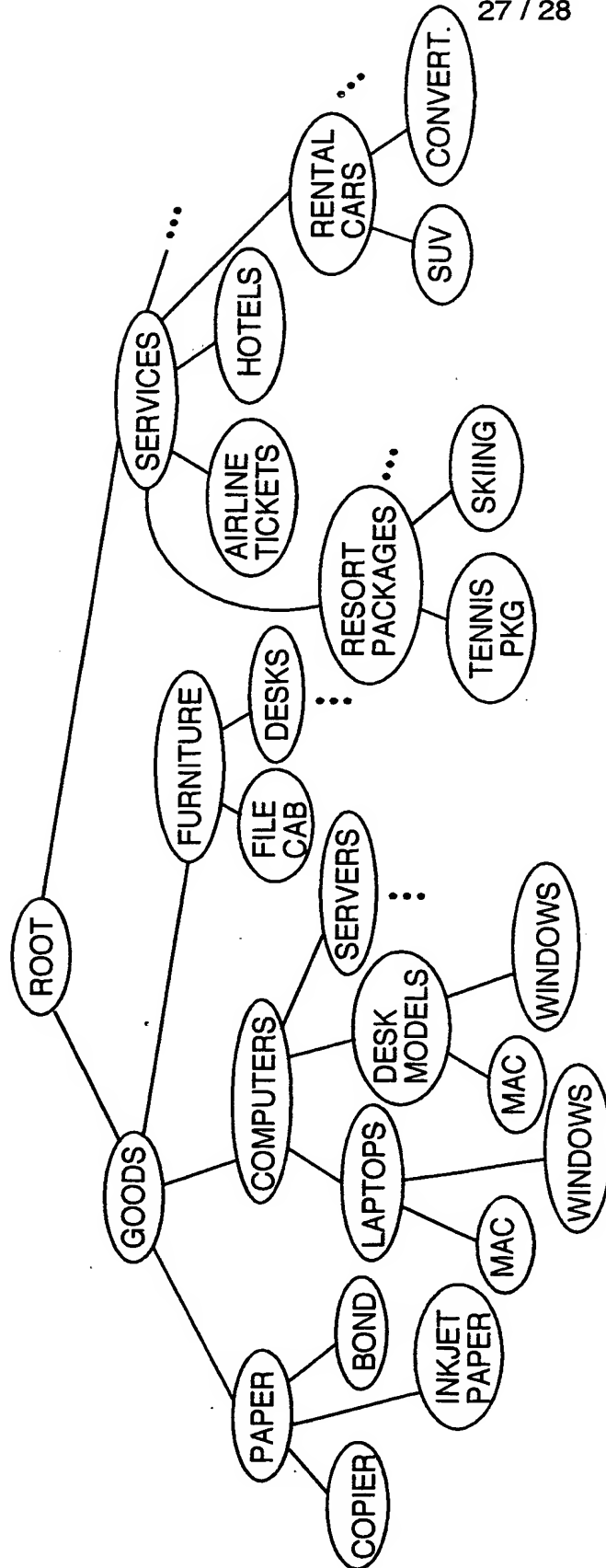


FIG. 26

TAXONOMY CATEGORIES



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FIG. 27

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SERVER PROCESSING TO IMPLEMENT ONE-STOP SHOPPING SEARCHING OF  
THE DATA STRUCTURE BASED UPON USER-DEFINED CRITERIA

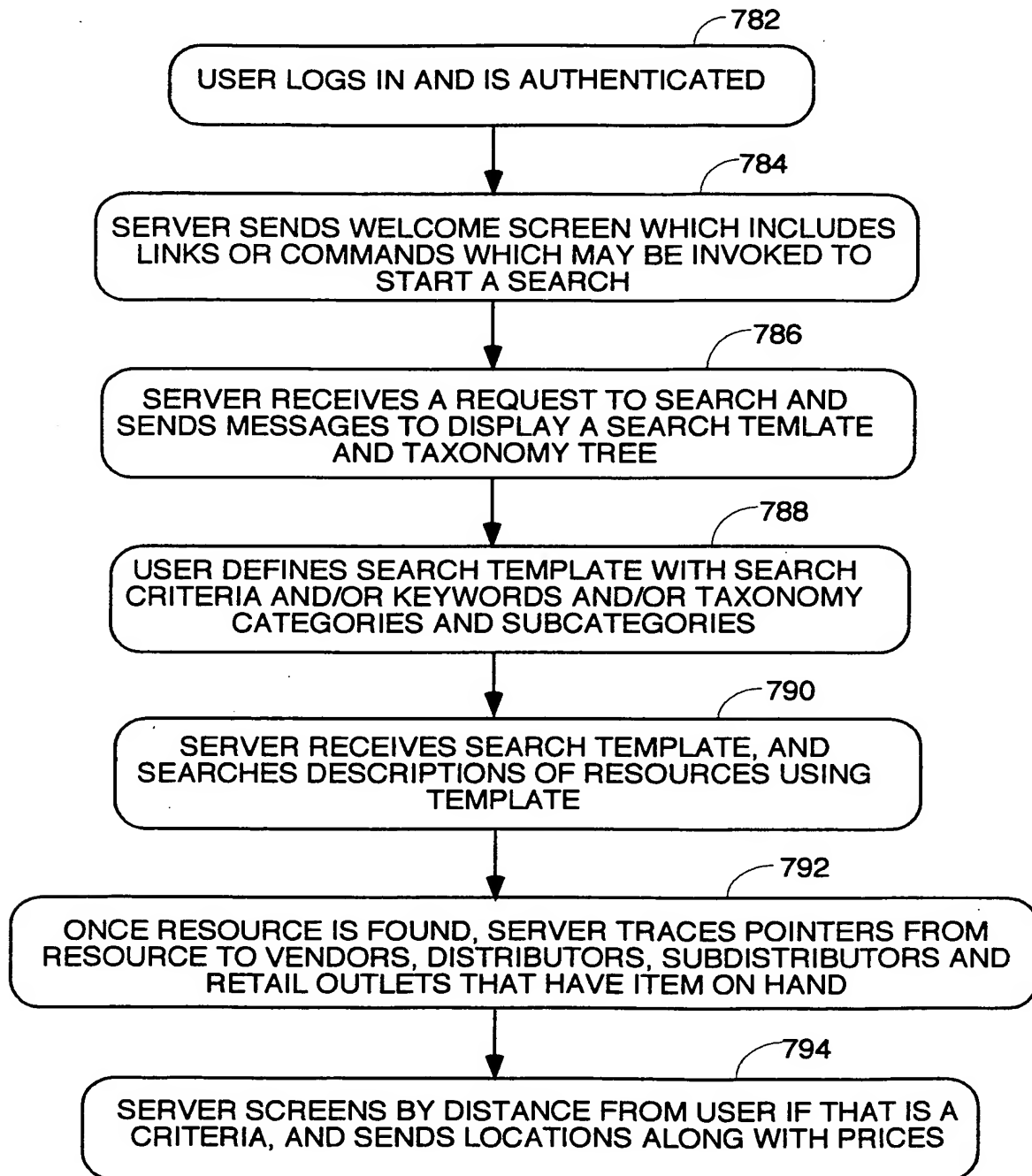


FIG.28